REFERENCES

[1] David Tse, University of California, Berkeley Pramod Viswanath, "*Fundamental of Wireless Communication*", published by Cambridge University Press, September 2004.

[2] H. Labiod, H. Afifi, C. De santis, "*Wi-Fi, Bluetooth ZigBee and WiMAX*", Published by Springer, P.O. Box 17, 3300 AA Dordrecht, Netherlands, 2007.

[3] Fenghua Li, "*Performance Analysis of V-BLAST Detectors for the MIMO Channel*", Master's Degree Project, KTH Electrical Engineering, Stockholm, Sweden, 2007.

[4] Amitabh Kumar, "*Mobile Broadcasting with WiMAX: Principles, Technology, and Applications*", Focal Press Media Technology Professional Elsevier, 2008.

[5] Theodore S. Rappaport, "*Wireless Communications Principles & Practice*", Prentice Hall Communication Engineering and Emerging Technologies Series, 2002.

[6] Branka Zovko-Cihlar, "*Terrestrial Digital Video Broadcasting Technology*", Serbia, Nis, IEEE Xplore, pp.255 – 262, 2009.

[7] Sung-Kyu Choi, Jong-Gu Jeon, Woo-Sung Shim, Won-Kap Jang, and Victor H. S. Ha "*Design and Implementation of H.264-based Video Decoder for Digital Multimedia Broadcasting*", IEEE International Conference on Multimedia and Expo, IEEE Xplore, pp.149 – 152, 2004.

[8] Tomas Kratochvíl, "*Influence of the FEC Channel Coding on Error Rates and Picture Quality in DVB Baseband Transmission*", Journal of Radio Engineering, Vol. 1, No. 3, pp.35 – 41, 2006.

[9] V. Deksnys, A. citavicius, "*Simulation of Lithuanian Version of DVB–T System*", Electronics and Electrical Engineering, Vol. 8, pp.99 – 102, 2009.

[10] Ondřej Huttl, Tomas Kratochvíl, "*DVB-T Channel Coding Implementation in MATLAB*", Department of Radio Electronics, Brno University of Technology, 2008.

[11] A.L. F. de Almeida, W. C. Freitas Jr., J. C. M. Mota, F. R. P. Cavalcanti and R. L. de Lacerda Neto, "*Performance of MIMO Systems with a Hybrid of Transmit Diversity and Spatial Multiplexing*", XX Symposiums, Brasileiro De Telecommunication, Rio De Janeiro, 2003.

[12] Angela Doufexi, Andrew Nix, Mark Beach, "*Combined Spatial Multiplexing and STBC to Provide Throughput Enhancements to Next Generation WLANs*", IEEE Transaction, 2005.

[13] Ahmed S. Ibrahim, Mohamed M. Khairy, and A. F. Hussein, "*Multi Layered Space Time Block Codes for OFDM Systems*", Proceeding, The International Conference on Electrical, Electronic and Computer Engineering, Ain Shams University, Egypt, 2004.

[14] Nirmalendu Bikas Sinha, R. Bera, M. Mitra, "*Capacity and V-BLAST Techniques for MIMO Wireless Channel*", Journal of Theoretical and Applied Information Technology, pp.11 – 21, 2010.

[15] Payam Rabiei, Naofal Al-Dhahir, "*New Rate-2 STBC Design for 2 TX with Reduced-Complexity Maximum Likelihood Decoding*", IEEE Transactions on Wireless Communications, Vol. 8, No. 2, pp.1 – 11, 2009.

[16] Yu-Jin Song, Seong-Weon Ko, Hyun-Jin Park, Hun-Hee Lee, and Hyoung-Kyu Song, "*A Novel Efficient Detection Scheme for Hybrid STBC in MIMO-OFDM Systems*", IEEE Xplore, International Conference on Communication Technology, pp.701 – 704, 2010.

[17] Chee Wei Tan and A. Robert Calderbank, "*Multiuser Detection of Alamouti Signals*", IEEE Transactions on Communications, Vol. 57, No. 7, pp.1 – 10, 2009.

[18] W. C. Freitas Jr., A. L. F. de Almeida and F. R. P. Cavalcanti, "*Interference Cancellation Receiver for Space Time Block Coded Systems over Frequency Selective Channels*", Published by IEEE International Telecommunications Symposium, pp.555 – 559, September 2006.

[19] Giani Albertazzi, Stefano Cioni, Giovanni E. Coraza, Massimo Neri, Raffaella Pedone, Paola Salmi, Alessandro Vanelli, "*On the Adaptive DVB-S2 Physical Layer: Design and Performance*", IEEE Wireless Communication, Vol. 12, Issue:6, pp.62 – 68, 2005.

[20] Hikmet Sari, Georges Karam, Isabelle Jeanclaude, "*Transmission techniques for Digital Terrestrial TV Broadcasting*", IEEE Communication Magazine, pp.100 – 109, February 1995.

[21] Sixto Ortiz, "*4GWireless Begins to Take Shape*", Technology News, Published by the IEEE Computer Society, Vol. 40, Issue:11, pp.18 – 21, 2007.

[22] Bill Krenik, "*4G Wireless Technologies: When will it happen? What does it offer?*", IEEE Xplore, IEEE Asian Solid-State Circuits Conference, Fukuoka, Japan, pp.141 – 144, 2008.

[23] Jivesh Govil, Jivika Govil, "*An Empirical Feasibility Study of 4G's Key Technologies*", IEEE Xplore, pp. 267 – 270, 2008.

[24] Rui Zhang and John M. Cioffi, "*Approaching MIMO-OFDM Capacity With Zero-Forcing V-BLAST Decoding and Optimized Power, Rate, and Antenna-Mapping Feedback*", IEEE Transactions on Signal Processing, Vol. 56, No. 10, 2008.

[25] Eunok Lee, Jaebum Kim, Hyuncheol Park and Hyuckjae Lee, "*Performance of LDPC Code Based D-BLAST System*", IEEE Xplore, pp.1872 – 1875, 2003.

[26] Bruce Bennett and Christopher Holt, "*DVB-S2 Benefits for Military Broadcast Systems*", IEEE Xplore, Military Communications Conference, Vol. 1, pp.148 – 154, 2005.

[27] Balazs Labsky, Tomas Kratochvil, "*DVB-S/S2 Satellite Television Broadcasting Measurement and Comparison*", IEEE Xplore, 20th International Conference Radio Elektronika, 2010.

[28] Raj Jain, Chakchai So-In, And Abdel-Karim Al Tamimi, "*System-Level Modeling of IEEE 802.16e Mobile WiMAX Networks: Key Issues*", IEEE Transactions on Wireless Communications, Vol. 15, Issue:5, pp.73 – 79, 2008.

[29] Onsy Abdel Alim, Hiba S. Abdallah and Azza M. Elaskary, "*Simulation of WiMAX Systems*", IEEE Communications Workshop, pp.11 – 16, 2008.

[30] Nedeljko Cvejic and Seppanen, Tapio, "*Rayleigh Fading Model versus AWGN Fading Channel Model in Audio Watermarking*", Thirty-Seventh Asilomar Conference on Signals, Systems and Computers, Vol. 2, pp.1913 – 1916, November 2003.

[31] Jelena Mijsi and Vojislav B. Misic, "*Wireless Personal Area Networks Performance Interconnections and Security with IEEE 802.1*", John Wiley & Sons, Ltd, West Sussex PO19 8SQ, England, 2008.

[32] Mohamed Kassab, Jean-Marie Bonnin, and Abdelfettah Belghith, "*Technology Integration Framework for Fast and Low Cost Handovers—Case Study: WiFi-WiMAX Network*", Journal of Computer Systems, Networks, and Communications, Vol. 2010, Article ID 205786, pp.1 – 21, April 2010.

[33] Jack M. Holtzman, Michele Zorzi, "*Advances in Wireless Communications*", The Kluwer International Series in Engineering and Computer Science, Kulwer Academic, Publishers, United States of America, 2002.